

10/587039

1AP6 Rec'd PCT/PTO 24 JUL 2006

Docket Number: 061063-0356139

Client Reference: OSP-19398

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of MASATAKA HOURAI, et al. Group Art Unit:

Application No.:

Examiner:

Filed: July 24, 2006

Confirmation No.:

For: SILICON WAFER, METHOD FOR MANUFACTURING THE SAME AND METHOD FOR GROWING SILICON SINGLE CRYSTALS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

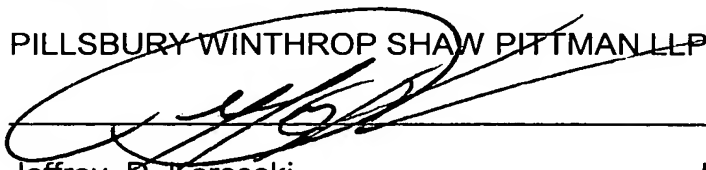
Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom. Applicants respectfully request the Examiner return an initialed copy of the enclosed Form PTO-1449 to Applicants with the next Office communication to indicate that the references have been considered, per MPEP § 609.

This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of the first Office Action on the merits in the present application. No certification or fee is required.

English-language Abstracts of the non-English language references are attached hereto and are relied upon for a statement of relevance for the reference.

Respectfully Submitted,

PILLSBURY WINTHROP SHAW PITTMAN LLP


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PTO/SB/08a (07-05)
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(Use as many sheets as necessary)

Application Number	10/587039
Filing Date	07/24/2006
First Named Inventor	MASATAKA HOURAI
Art Unit	
Examiner Name	
Attorney Docket Number	061063-0356139

Sheet 2 of 2

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	6	JP 2004-182525	07/02/2004			
	7	JP 11-189495 A	07/13/1999			

Date
Considered

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet

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of

1

Complete if Known

Application Number

20/587039

Filing Date

07/24/2006

First Named Inventor

MASATAKA HOURAI

Art Unit

Examiner Name

UNASSIGNED

Attorney Docket Number

061063-0356139

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	I.	MASAAHI SUEZAWA, "Hydrogen and Crystal Technology - controlling of ultimately light element," 110th Workshop Text, JPN Soc. Appl. Phys., Div. Science and Technology of Crystals, p. 11-18, (6/3/1999).	
	II.	E. IINO ET AL., "Cavities owing to Hydrogen in Si single crystals grown by continuously charging CZ method," Materials Science and Engineering, p. 146-149, B6 (1996).	
	III	T.H. WANG, ET AL., "Charge carrier recombination centers in high-purity, dislocation-free, float-zoned silicone due to growth-induced microdefects," Journal of Crystal Growth, p. 155-161, Vol. 109 (1991).	
	IV.	YOSHIMITSU SUGITA, "X-Ray Observations of Defect Structures in Silicone Crystal," Japanes Journal of Applied Physics, Vol. 4 (No. 12), p. 962-972, (7/9/1965).	

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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First Named Inventor	
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MASATAKA HOURAI

Art Unit

Examiner Name

Attorney Docket Number	061063-0356139
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Sheet

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of

2

U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	1	JP 2001-220289	08/14/2001	OKUI, ET AL.		
	2	JP 2002-187794	07/05/2002	MURAKAMI, ET AL.		
	3	JP 2000-281491 A	10/10/2000	IKARI, ET AL.		
	4	JP 2001-335396	12/04/2001	VON AMMON, ET AL.		
	5	JP 2001-151597	06/05/2001			

Examiner Signature		Date Considered	
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